

Tagged scale inhibiting polymers, compositions comprising the same, and method for preventing or controlling scale formation

ABSTRACT

The invention relates to tagged scale-inhibiting polymers, to compositions comprising said polymers, and to a method for preventing or controlling scale formation in systems comprising said fluids. The tagging units are units deriving from a monomer having formula $X_2C=CY Y'$, wherein X, which is identical or different, is a hydrogen atom, or a C₁-C₄ alkyl group, Y is a hydrogen atom or a C₁-C₄ alkyl group, Y' is a group having formula -L-Arom, wherein L is a covalent bond or a divalent organic linking group optionally comprising heteroatoms, and Arom is a group comprising at least two conjugated aromatic rings, preferably at least three, said rings comprising conjugated carbon atoms, and, linked to said carbon atoms, hydrogen atoms or substituents.